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| FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE<br>(REV. 7-2005)  |   | ATTORNEY'S DOCKET NUMBER<br>083-06                                     |
| TRANSMITTAL LETTER TO THE UNITED STATES<br>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371   |   | U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br>NA <b>10/576327</b> |
| INTERNATIONAL APPLICATION NO.<br>PCT/JP2004/015760   | INTERNATIONAL FILING DATE<br>October 19, 2004 | PRIORITY DATE CLAIMED<br>October 20, 2003                              |
| TITLE OF INVENTION<br>NEAR-INFRARED RAY-SHIELDING PAINT, NEAR-INFRARED RAY-SHIELDING<br>LAMINATE OBTAINED THEREFROM AND PRODUCTION METHOD THEREOF  |   |  |
| APPLICANT(S) FOR DO/EO/US<br>Tetsuya Nakabeppu and Tsutomu Tamura  |   |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  |   |  |
| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</li> <li>11. <input type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409).</li> <li>12. <input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210).</li> </ol> <p>Items 13 to 23 below concern document(s) or information included:</p> <ol style="list-style-type: none"> <li>13. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>14. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>15. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li> <li>16. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li>17. <input type="checkbox"/> A substitute specification.</li> <li>18. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li>20. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>21. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).</li> <li>22. <input checked="" type="checkbox"/> Express Mail Label No. <b>EV 282453822 US</b></li> </ol> |   |  |

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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| U.S. APPLICATION NO (if known, see 37 CFR 1.5)<br><div style="font-size: 2em; font-weight: bold; margin-top: 10px;">10/576327</div>   | INTERNATIONAL APPLICATION NO.<br><div style="font-weight: bold; margin-top: 10px;">PCT/JP2004/015760</div> | ATTORNEY'S DOCKET NUMBER<br><div style="font-weight: bold; margin-top: 10px;">083-06</div> |
| 23. Other items or information:   |  |  |
| The following fees have been submitted:   |  | CALCULATIONS      PTO USE  |
| 24. <input checked="" type="checkbox"/> Basic national fee ..... \$300  |  | \$ 300.00  |
| 25. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))<br>If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4). \$0<br>All other situations. .... \$200  |  | \$ 200.00  |
| 26. <input type="checkbox"/> Search fee (37 CFR 1.492(b))<br>If the written opinion of the ISA/US or the International preliminary examination report by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4). ... \$0<br>Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the as an International Searching Authority. .... \$100<br>International Search Report prepared by an ISA other than the US and provided to the previously communicated to the US by the IB. .... \$400<br>All other situations. .... \$500 |  | \$ 500.00  |
| <b>TOTAL OF 24, 25 and 26 =</b>   |  | \$ 1,000.00  |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).<br>The fee is \$250 for each additional 50 sheets of paper or fraction thereof.   |  |  |
| Total Sheets  | Extra Sheets   | Number of each additional 50 or fraction thereof (round up to a whole)                     |
| 43 - 100 =  | 0 /50 =  | 0  |
|   |  | x \$250.00   |
|   |  | \$ 0.00  |
| Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).   |  | \$   |
| CLAIMS  | NUMBER FILED   | NUMBER EXTRA   |
| Total claims  | 48 - 20 =  | 28   |
| Independent claims  | 1 - 3 =  | 0  |
|   |  | x \$200.00   |
|   |  | \$ 0.00  |
| MULTIPLE DEPENDENT CLAIMS (if applicable) <input checked="" type="checkbox"/> + \$360.00  |  | \$ 360.00  |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>  |  | \$ 2,760.00  |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.  |  | \$ 0.00  |
| <b>SUBTOTAL =</b>   |  | \$ 2,760.00  |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).   |  | \$ 0.00  |
| <b>TOTAL NATIONAL FEE =</b>   |  | \$ 2,760.00  |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +   |  | \$ 0.00  |
| <b>TOTAL FEES ENCLOSED =</b>  |  | \$ 2,760.00  |
|   |  | Amount to be \$  |
|   |  | Amount to be \$  |

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

- a. ☒ A check in the amount of \$ \$2,760.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 16-0750. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

John F. McNulty, Esquire  
Paul & Paul  
2900 Two Thousand Market Street  
Philadelphia, PA 19103  
USA  
(215) 568-4900

  
SIGNATURE

John F. McNulty, Esquire

NAME

23,028

REGISTRATION NUMBER

April 19, 2006

DATE

PATENT

PCT INTERNATIONAL APPLICATION

Serial No.: NA

Filed: Herewith

Based on: PCT/JP2004/018420

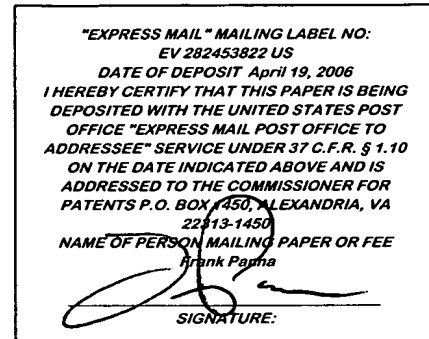
Title: NEAR-INFRARED RAY-SHIELDING PAINT, NEAR-  
INFRARED RAY-SHIELDING LAMINATE OBTAINED  
THEREFROM AND PRODUCTION METHOD THEREOF

Inventor(s): Tetsuya Nakabeppu and Tsutomu Tamura

Priority Date

Claimed: October 20, 2003

Docket No.: 083-06



EXPRESS MAIL COVER LETTER

*Mail Stop PCT*  
*Commissioner for Patents*  
*P.O. Box 1450*  
*Alexandria, VA 22313-1450*

Dear Sir:

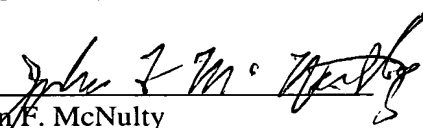
Enclosed and attached hereto are the following documents:

- (1) Express Mail Cover Letter;
- (2) International Application Transmittal form (3 pages);
- (3) Check in the amount of \$2,760.00 application filing fee;
- (4) Preliminary Amendment (7 pages);
- (5) Specification (36 pages);
- (6) Claims (6 pages);

- (7) Abstract (1 page);
- (8) Declaration Power of Attorney Document 3 pages (**executed**);
- (9) Copy of Request (Japanese language 5 pages);
- (10) Assignment with PTO form 1595;
- (11) Check in the amount \$40.00 recordation fee;
- (12) Copy of form PCT/IB/308 (Second and Supplementary Notice Informing the Applicant of the Communication of the International Application to the Designated Offices Which Apply the 30 Month Time Limit under Article 22(1)) 1 sheet;
- (13) First two pages of the International Application (Japanese language 2 pages);
- (14) Copy of International Search Report (2 pages);
- (15) Information Disclosure Statement with PTO form 1449 and attachments (8); and
- (16) Paul & Paul postcard to be returned by the PTO.

THE COMMISSIONER IS HEREBY AUTHORIZED TO CHARGE ANY ADDITIONAL FEES ASSOCIATED WITH THIS COMMUNICATION, OR CREDIT ANY OVERPAYMENT, TO PAUL & PAUL DEPOSIT ACCOUNT NO. 16-0750, ORDER NO. 3912.

Respectfully submitted,

  
\_\_\_\_\_  
John F. McNulty  
Reg. No. 23,028  
Paul & Paul  
2900 Two Thousand Market St.  
Philadelphia, PA 19103  
(215) 568-4900